

AUTHORS: Korshak, V. V., Corresponding Member SOV,

SOV/20-122-4-19/57

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AS USSR, Mozgova, K. K., Shkolina, M. A.

TITLE:

On the Production of Crefted Copolymers of Polyamides With Vinyl Monomers (O poluchenii privitykh sopolimerov poliamidov

s vinil'nymi monomerami)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 4, pp 609-611

(USSR)

ABSTRACT:

As grafted topolymers open new synthetic possibilities, they have accracted lately to an ever greater extent the attention of the researchers (Refs 1, 2). In all hitherto known methods the fornation of grafted copolymers is accompanied by that of block polymers in most cases. The authors tried to work out a production method which does not lead to the formation of block copolymers. For this purpose the initial polyamides were treated with ozone and only subsequently with vinyl monomers: styrene or methyl-methacrylate. Thus, a layer of the injected copolymer appeared on the surface of the polyamide. First the ozone influence on polyamides during different intervals was rechecked (2 minutes - 6 hours). The measurement results of the mentioned layer are shown in table 1. They show that the quality indices

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On the Production of Grafted Copolymers of Polyamides SOV/20-122-4-19/57 With Vinyl Monomers

of the caprone film are not reduced, but are even increased by a short ozonization (10 - 20 minutes). Quality is reduced only in the case of an ozonization lasting 1 hour and more. Quality also decreases when the produced polymer layers are heated up to five hours. Further experiments with covers of polyamide anide G-669 (Ref 3) yielded the results compiled in table 2. They show the same picture as in the case of polycapralactame (Ref 3). Table 3 shows measuring results of the initial samples of the polyamides and the same samples after ozonization and polymerization. They show that the specific viscosity of the solution increases after ozonization. A still greater increase is observed after polymerization of an ozonized sample of the polyamide. Table 4 shows elementary analyses of several injected copolymers. From the results obtained the authors draw the conclusion that in consequence of the procedure used by them. a layer of polystyrene or polymethyl-methacrylate is formed which is apparently to be found on the surface of the polyamide film or of the polyamide fiber and is chemically connected with them. The vaccinated layer does not increase unlimitedly, it does not surpass 20 percentages by weight. Polyamide loses its

Card 2/3

On the Production of Grafted Copolymers of Poly- SOV/20-122-4-19/57 amides With Vinyl Monomers

solubility in alcohol in this connection as well as the solubility in cresol and formamide. A probable reaction scheme is given. Obviously peroxide compounds are produced first in the amide groups of the polyamide subsequently joined by molecules of the vinyl monomer. There are 3 tables and 3 references, 1 of which is Soviet.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR

(Institute of Elementary Organic Compounds of the Academy of

Sciences, USSR)

SUBMITTED: June 19, 1958

Card 3/3

SHKOLINA, M. A. Cand Chem Sci -- (diss) "Synthesis and study of poly-4-amino-1,2,4- triazoles." Mos, 1959. 6 pp (Acad Sci USSR. Inst of Elementoorganic Compounds). (KL, 52-59, 117)

-23-

KORSHAK, V.V.; MOZGOVA, K.K.; SHKOLINA, M.A.

Preparation of graft copolymers. Part 3: Grafting of vinyl monomers on polyamides. Vysokom. soed. 1 no.9:1364-1368 S '59.

(MIRA 13:3)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Polymers) (Amides)

KORSHAK, V.V.; MOZGOVA, K.K.; SHKOLINA, M.A.

Preparation of graft polymers. Part 4: Grafting of styrene on

polyamides. Vysokom.soed. 1 no.11:1573-1579 N '59. (MIRA 13:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Polymers) (Styrene) (Amides)

and 1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年,1974年

KORSHAK, V.V.; MOZGOVA, K.K.; SHKOLIHA, M.A.

Preparation of graft copolymers. Part 5: Grafts by vinyl

monomers on polyethylene terephthalate. Vysokom.soed. 1 no.11:1604-1609 N '59. (MIRA 13:5)

1. Institut elementoorganciheskikh soyedineniy AN SSSR. (Terephthalic acid) (Vinyl compounds)

KORSHAK, V.V.: CHELNOKOVA, G.N.; SHKOLINA, M.A.

Mixed poly-4-amino-1,2,4-triazoles. Vysokom.soed. 1 no.12: 1772-1777 D '59. (MIRA 13:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Triazole)

SOV/62-59-5-26/40 5(3)

Korshak, V. V., Chelnokova, G. N., Shkolina, M. A. AUTHORS:

Synthesis of the Poly-4-amino-1,2,4-triazoles (Sintez poli-TITLE:

4-amino-1.2,4-triazolov)

Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk, PERIODICAL:

1959, Nr 5, pp 925-926 (USSR)

In this paper the reaction of hydrazine with a number of di-ABSTRACT:

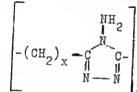
carboxylic acids and their derivatives at a molar ratio of 2:1 was investigated with eucosane dicarboxylic acid, sebacic-, azelaic-, adipic-, glutaric-, succinic-, and thiodivalerianic acid. The substances obtained were investigated as to their thermomechanical and mechanical properties (Figs 1,2). A surplus of 90 mol % hydrazine was found to be the optimum quantity for the purpose of obtaining pure products with respect to the quantity of hydrazine necessary for the formation of the dihydrazide of the individual acids. The structure of the polytriazoles obtained on the basis of the investigations carried

cut is assumed to be the following:

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Synthesis of the Poly-4-amino-1,2,4-triazoles

SOV/62-59-5-26/40



where x = 2, 3, 4, 7, 8, 20.

The presence of the amino group was proved. Besides, the hydrochloric - and sulfuric acid salts of polyoctamethylene-aminotriazole were produced and by acetylation with acetic anhydride from the polyaminotriazole of the sebacine-hydrazide also N-acetyl-aminotriazole. All products obtained are very stable, and they are not destroyed by boiling in hydrochloric acid and lye. As a film polyoctamethylene-triazole has a great tearing strength \sim 850 kg/cm² (Fig 2). There are

ASSOCIATION:

Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR (Institute of Elemental-organic Compounds of the Academy of

SUBMITTED:

September 9, 1958

Card 2/2

SOV/62-59-5-28/40 5(3)

Korshak, Y. V., Chelnokova, G. N., Shkolina, M. A. AUTHORS:

TITLE: On the Problem of the Formation Mechanism of Polyaminotriazoles

(Kvcprosu o mekhanizme obrazovaniya poliaminotriazolov)

PERIODICAL: Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1959, Nr 5, pp 929-931 (USSR)

In a previous paper by the same authors (Ref 1) the poly-ABSTRACT:

> condensation of various dicarboxylic acids with hydrazine was investigated; it was found that in the polycondensation of sebacic acid with hydrazine the nitrogen content of the dihydrazide obtained was somewhat lower than the theoretically calculated content. Agreement with theoretical calculation was obtained only by using a certain surplus of hydrazine. Reference is made to V. W. Fischer (Ref 2), who found it necessary to use the excess hydrazine in order to prevent the possible formation of polyhydrazides and polyoxadiazoles which is possible in this reaction. In connection herewith the polycondensation of hydrazine in the following dicarboxylic acids: sebacic acid, phthalic, isophthalic, and terephthalic acid was

investigated in this paper. The characteristics of the salts

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507/62-59-5-28/40

On the Problem of the Formation Mechanism of Polyaminotriazoles

obtained are given in a table. On the one hand, the polycondensation with equimolar ratios hydrazine : dicarboxylic acid, where polyhydrazide was obtained, was investigated, and on the other, the molar ratio 2 (and more): 1 resulted in polyaminotriazole by the application of pressure. The reaction scheme is assumed to be the following: First, the dihydrazide is formed immediately from the salt of the dicarboxylic acid and hydrazine. The dihydrazine can then be converted under pressure nearly quantitatively into an aminotriazole compound with separation of water. For the conversion of polyhydrazide into the aminotriazole ring an additional surplus of hydrazine is finally necessary. This surplus has a maximum. If the maximum is exceeded, this causes impurities due to polyhydrazide and its hydrolysis-products. Poly-4-amino-1,2,4-triazole is represented. There are 1 table and 2 references, 1 of which is Soviet.

ASSOCIATION:

Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR

(Institute of Elemental-organic Compounds of the Academy of

Sciences, USSR)

SUBMITTED:

September 18, 1958

Card 2/2

CIA-RDP86-00513R001549710003-1 "APPROVED FOR RELEASE: 08/23/2000 s/190/60/002/006/012/012 83707 B015/B064 Korshak, V. V., Mozgova, K. K., Shkolina, M. A. Letters to the Editor. New Method of Producing Grafted 15.8107 also 2209 Vysokomolekulyarnyye soyedineniya, 1960, Vol. 2, No. 6, 11.2217 AUTHORS: TEXT: In continuation of the experiments in the course of which already (Refs. 1-5) TEXT: In continuation of the experiments in the course of which already (Refs. 1-5), a new method of producing graft copolymers has been developed (Refs. 1-5), a new method of producing graft copolymers of polyamides and prints, it was observed that film and fiber samples of polyamides air; of active centers by storage in the air; obtain a higher amount of active centers by storage in the appearance of which already it was observed that film and fiber samples of polyamides air; obtain a higher amount of active centers by storage in the arrival and appearance of which already in the course of which all already in the course of which all already in the course of which all already in the course of which already in the course of which already in the course of which all already in the course of which TITLE: PERIODICAL: obtain a nigher amount of active centers by storage in the air; thus, grafting with monomers can be carried out also without a preliminary are grafting with monomers can be carried out also without a preliminary are grafting with monomers and simpler method of producing graft conclusions. grafting with monomers can be carried out also without a preliminary graft copolymers and of producing graft copolymers and treatment with ozone. A new, simpler method of the form of films and treatment with ozone. A new, articles in the form of films and the sir before copolymerization. This was developed on this basis, i.e. articles before copolymerization. Was developed on this basis, i.e. articles in the form of films and This fibers are for some time heated in the air before copolymerization. That at preliminary treatment leads to the formation of active centers on that at the formation of active centers and the formation of active centers are treatment. Tibers are for some time neated in the air before copolymerization. This at at preliminary treatment leads to the formation of active centers so that at preliminary with wind monomers conclumerization takes placed as further heating with wind monomers conclumed as the formation of the conclumentation of the conclumental present the conclumentation of the conclument preliminary treatment leads to the formation of active centers 80 that a further heating with vinyl monomers copolymerization takes place. The a further heating with vinyl monomers machanical strength than the graft copolymers obtained have a higher machanical strength than the a further heating with vinyl monomers copolymerization takes place. T graft copolymers obtained have a higher mechanical strength than the S. Card 1/2 Card

S/190/61/003/010/005/019 B130/B110

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AUTHORS:

Korshak, V. V., Mozgova, K. K., Shkolina, M. A.

TITLE:

Synthesis of graft copol, mers. VII

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 3, no. 10, 1961,

1462-1467

TEXT: The authors describe the possibility of producing graft copolymers from polyamide and polyester films and vinyl monomers without the use of ozone. Films of mixed polyamide \(\Gamma-669\) (G-669) stored for different periods of time were used for the investigation. The monomer used was styrene. Tests showed that a freshly prepared polyamide grafted only 2-3% polystyrene, a one-year old up to 9%, and a 6-year old 30-60%. In the 6-year old polyamide, active centers formed by the action of atmospheric oxygen and moisture. The effect of atmospheric oxygen and air was studied at various temperatures. It was shown that a sample grafting no more than 2.5% polystyrene, grafted 20% after thermal treatment in air at about 80°C. In thermal treatment of caprone films, grafting was also

S/190/61/003/010/005/019 B130/B110

Synthesis of graft copolymers. VII

increased but not to such an extent as in the treatment of G-669. Lavsan films heated in nitrogen showed better grafting than those not heated, but did not attain such a degree as when heated in an air flow. The tests also showed that the heating did not only activate the polymers but also improve their mechanical properties. The breaking elongation of Lavsan films heated at 80°C increased by 48.8%, that of caprone films by 176%. No positive results have been obtained yet when trying to find free

films heated at 80°C increased by 48.8%, that of saprone films by 170%.

No positive results have been obtained yet when trying to find free radicals by an epr spectrum. Infrared and ultraviolet spectra showed no considerable change due to thermal treatment of caprone. The ultraviolet spectrum of heated Lavsan suggested a formation of groups containing CO. spectrum of heated Lavsan suggested a formation of groups containing CO. spectrum of heated higher orderliness of the molecular chain of heated samples. The breaking elongation of samples was tested at the VNIIS, the infrared and ultraviolet spectra were taken at I. V. Obreimov's laboratory, the X-ray pictures at A. I. Kitaygolodskiy's laboratory. A. V. Zasechkina and A. I. Volkova assisted in experiments. There are 2 figures, 8 tables, and 6 Soviet references.

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Card 2/3

S/190/61/003/010/005/019 B130/B110

Synthesis of graft copolymers, VII

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR

(Institute of Elemental Organic Compounds AS USSR)

SUBMITTED: November 3, 1960

X

Card 3/3

29736 S/190/61/003/011/005/016 B124/B101

15.5540

2205

Korshak, V. V., Mozgova, K. K., Shkolina, M. A.

TITLE:

AUTHORS:

Synthesis of graft copolymers. VIII

PERIODICAL: Vysokomolekulyarnyye soyedineniya, v. 3, no. 11, 1961, 1655-1660

TEXT: Results obtained when styrene is grafted to heat-activated caprone fiber are given in this paper. The effect of the time of thermal treatment of the fiber on the yield of grafted polystyrene is studied at temperatures ranging from 80 to 150°C in a nitrogen stream and in air (Fig. 1). Up to 20 min from the beginning, active centers of copolymerization of the fiber with styrene are formed at 80°C in nitrogen, with no further oxidation of the fiber occurring on heating. When kept at a constant temperature of 80°C in air, two maxima appear, the first of which is due to the presence of active centers prior to heat treatment, and the second to the secondary formation of active groups by oxidation. From data given in Fig. 1 it can be further concluded that the yield of grafted polystyrene increases with the time of copolymerization, and that the formation of active centers in the fiber is accelerated by a temperature rise. Maximum yield of graft

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29736 S/190/61/003/011/005/016 B124/B101

Synthesis of graft copolymers. VIII

copolymer is obtained when the fiber is kept at 110°C in a thermostat for 3 min, with true temperature in the thermostat and, thus, also of the sample being about 90°C. From measured viscosity values of the graft copolymers, optimum results were obtained under the same conditions as mentioned (Table 1). A polystyrene layer can be grafted to the caprone fiber with yields up to 30 % and a molecular weight up to 60,000-80,000 (Table 2). It is shown that the described grafting takes place essentially on the surface of the polymer. A. P. Zasechkina and A. I. Volkova took part in experimental work. There are 3 figures, 2 tables, and 5 references: 4 Soviet and 1 non-Soviet. The reference to the Englishlanguage publication reads as follows: A. J. Goldberg, W. P. Hohenstein, H. Mark, J. Polymer Sci., 2, 503, 1947.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR

(Institute of Elemental Organic Compounds AS USSR)

SUBMITTED:

December 7, 1960

Card 2/6 2

h1h19 S/190/62/004/010/003/010 B144/B186

AUTHO 5: Korshak, V. V., Mozgova, K. K., Shkolina, M. A.,

Korostylev, B. M., Linovetskaya, O. Ya., Zasechkina, A. P.

TITLE: Synthesis of graft copolymers

FYMICAL In: Vysokomolekulyarnyye soyedineniya, v. 4, no. 10, 1962,

1469-1473

TEXT: The copolymerization of polyethylene terephthalates (I) ("Lavsan", Hostophon, Gronar) with monomers and monomer mixtures was studied in an attempt to increase the adhesiveness between (I) and the photographic enulsion layer containing gelatin. After a heat treatment of no more

than 10 sin at 90 - 120°0, the samples were kept immersed in the monomer or monomer mixture for 7 - 64.5 hrs at 40 - 80°C. 2-methyl-5-vinyl pyridine, vinyl pyrrolidone, and methyl methacrylate (II) were used singly or in mixtures with acrylonitrile, methacrylic acid (III), epoxy resin, stypene, carbinol cement, and gelatin dissolved in acrylic acid (IV). Tafter treatment with solvents such as benzene or water, and desication, the adhesiveness was examined by waylef the 5-ball system.

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"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549710003-1

5/190/62/904/010/003/010 B144/B186

Syntheric of graft cololymers

The tentile etrought of 3 · 10 as specimens was tested with a Schopper dynamical set an elongation rate of 10 cm/min. Lavsan, Hostaphan, and Grouar letived sicilarly. The best adhesiveness was reached by copolymetring (I) with (II-III) mixtures independently of their mixing ratio, and with (IV) in thin monomer layers (2 - ½,0 by weight). The viscosity could not be tested, so (I) after grafting, was no longer soluble in xylene. Trafting reduced the elongation at rupture, whilst slightly increasing the tensile strength, but did not affect the optical properties and orientation. There are 1 figure and 4 tables.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR

(Institute of Elemental Organic Compounds AS USSR)

SUB...I.Tab: May 20, 1961

Card 2/2

s/190/63/005/002/002/024 B101/B102

AUTHORS:

Korshak, V. V., Mozgova, K. K., Shkolina, M. A.,

Nagdaseva, I. P., Berestnev, V. A.

Synthesis of graft copolymers. XII

TITLE:

Vysokomolekulyarnyye soyedineniya, v. 5, no. 2,

PERIODICAL:

TEXT: Tests are discussed in reference to the grafting of acrylic and methacrylic acids onto caprone fiber at room temperature and the stabilization of the graft copolymer by metal salts. Commercial caprone threads with Bohopper strength 14.3 kg were heated at 80-120°C and then immersed for a short time in anhydrous acrylic or methacrylic acid at room temperature. This mild treatment, chosen because of the sensitivity of the polyamide to acids, yielded only a thin microfilm on the fiber, so the grafting could not be determined from the increase in weight of the fiber. In the threads of graft copolymer, the strength was considerably reduced after 100 hrs heating at 150°C; the highest value was 38% residual strength Treatment of the threads of graft copolymers for several hours with 2.5-5%

Card 1/2

CIA-RDP86-00513R001549710003-1" APPROVED FOR RELEASE: 08/23/2000

KORSHAK, V.V.; MOZGOVA, K.K.; SHKOLINA, M.A.; NAGDASEVA, I.P.; HEHESTNEV, V.A.; Prinimali uchastiye: YEGOROVA, Yu.V.; ZASECHKINA, A.P.; VOLKOVA, A.I.; SAZONKINA, M.T.

Preparation of graft copolymers. Part 12. Vysokom.soed. 5 no.2:171-175 F '63. (MIRA 16:2)

l. Institut elementoorganicheskikh soyedineniya AN SSSR. (Polymers)

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5/139/62/000/004/018/018 E039/E420

AUTHORS:

Levkov, A.N., Shkolina, Te.I.

TITLE:

The magneto-optical properties of alloys in the Ni-Co

system in the region of small Co content PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Fizika,

The early experiments on the Kerr and Faraday effects are discussed briefly. An experimental investigation of the dispersion and concentration dependence of the Kerr effect in the Ni-Co system is described for Co concentrations up to 22% at. Co. 12 Samples are used to cover this range at 2% intervals. surface is produced on the samples by mechanical burnishing and polishing and the effect of this on the properties of the surface layers is discussed. The samples are heated at 420°C at a pressure of 10⁻⁴ mm Hg for 2 hours to restore the crystal structure in the surface layers without destroying the mirror finish. is shown that the addition of Co to Ni up to 22% At. Co does not change the Kerr effect dispersion significantly in the visible region of the spectrum. A slight 1 acrease in the Kerr effect is Card 1/2

BURAKAUSKAS, A.A.; SHKOLLER, S.; SOYDRO, I.G.; STUKONOZHENKO, P.

Achievements of veterinary service in the Baltic republics during the 25 years of Soviet rule. Veterinariia 42 no.8:10-16 Ag '65. (MIRA 18:11)

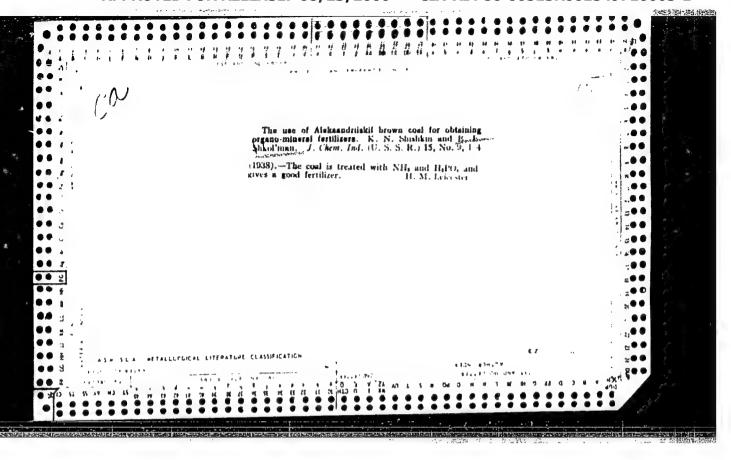
1. Nachal'nik Upravleniya veterinarii Litovskoy SSR (for Burakauskas). 2. Glavnyy veterinarnyy vrach Upravleniya veterinarii Litovskoy SSR (for Shkoller). 3. Nachal'nik Upravleniya veterinarii Estonskoy SSR (for Soydro). 4. Zamestitel' nachal'nika Upravleniya veterinarii Latviyskoy SSR (for Stukonozhenko).

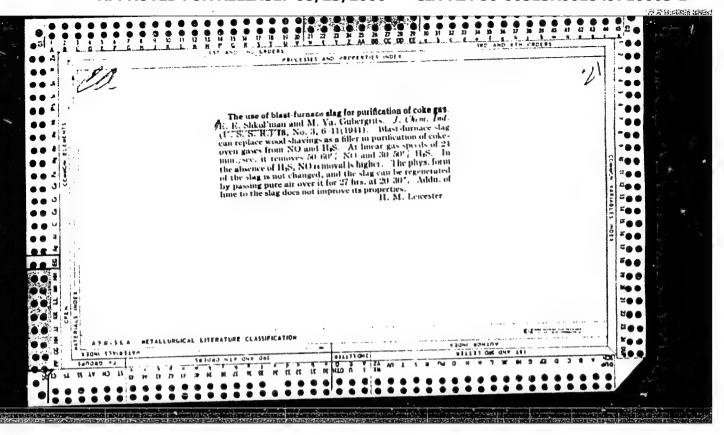
BURAKAUSKAS, A.A.; SHKOLLER, S.D.

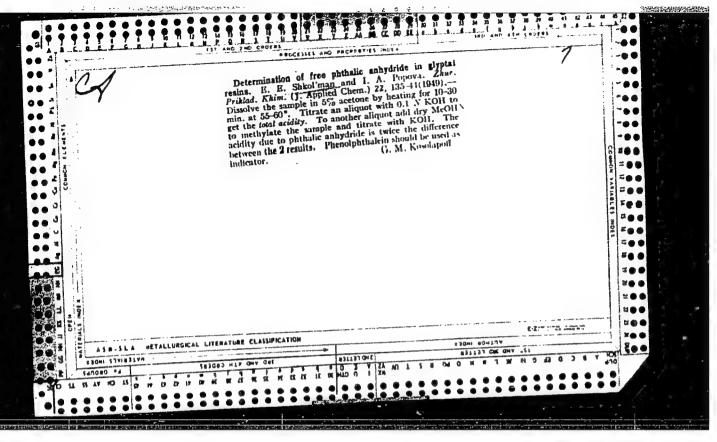
Twenty years of veterinary service in the Lithuanian S.S.R. Veterinaria 37 no.10:5-12 0 '60. (MIRA 15:4)

1. Veterinarnoye upravleniye Ministerstva sel'skogo khozyaystva Litovskoy SSR.

(Lithuania--Veterinary medicine)







WSGR/Chemistry - Rosin "The Use of the Pentaerythritic Ester of Rosin," Ye. Ye. Shkol'man, I. R. Morozov, Cen Plant Lab, Chelyabinsk Paint and Dye Plant, 8 pp "Zamr Prik Khim" Vol XXII, No 8 pp "Zamr Prik Khim" Vol XXIII, No 8 pp "Zamr Prik Khim" Vol XXIII, No 8 pp "Zamr Prik Khim" No 8 pp "Zam	SHKOL'MAN, YE.	YE.				67/49T61	are the per inchi	
		67/4 <i>9</i> T61	varnishes, tung oil. om this est glycerin amels it ma and for re ttly with i	- Rosin (Contd) Aug	logous to its esterification with pentaerythrite is anathe standpoint of melting point and in regard to elasticity, the pentaerythritic ester of rosin is a better product than rosin glyptal for which it substitutes. This ester is used in the production	<pre>/e. Shkol'man,I. R. Morozov /abinsk Paint and Dye Plant / Prik Khim" Vol XXII, No 8</pre>	(Chemistry - Rosin Varnish Use of the Pentaerythritic Ester of Rosi	The second secon

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Process of formation of alkyd resins: 1. Kinetics of the formation of acid esters in the reaction between phihalic authydride and givesod. R. R. Saked man and I. I. Zeidler (Universities). Phys. Prikad., Khim. (Universities). 23, 81-98(1950); J. Applied Chem.

traction. At const. a+b=2, a=b+1, a=2, m=1, the 2nd-order Law holds, at 160°, over the 1st self-order day holds, at 160°, over the 1st self-order day of the traction trap to a=0.0400 whose the extents covery produced to self-order order of the constance of the consta

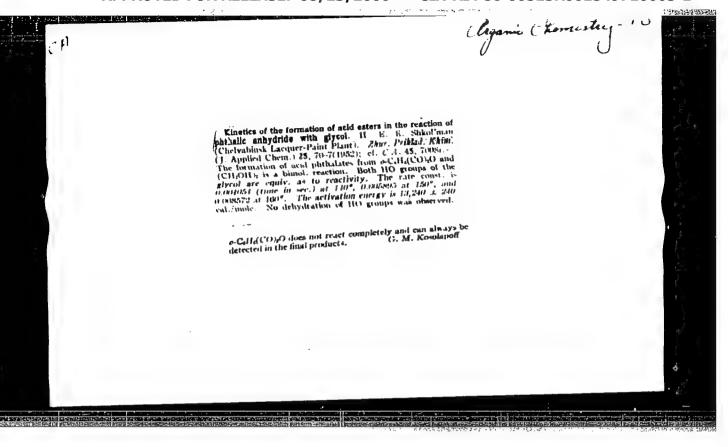
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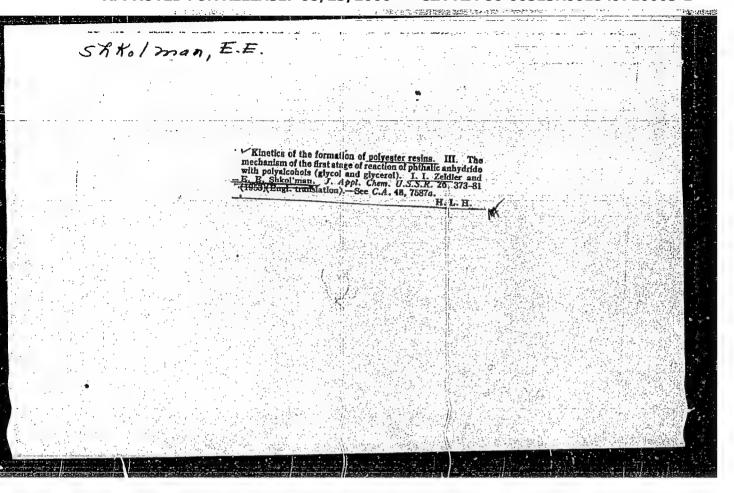
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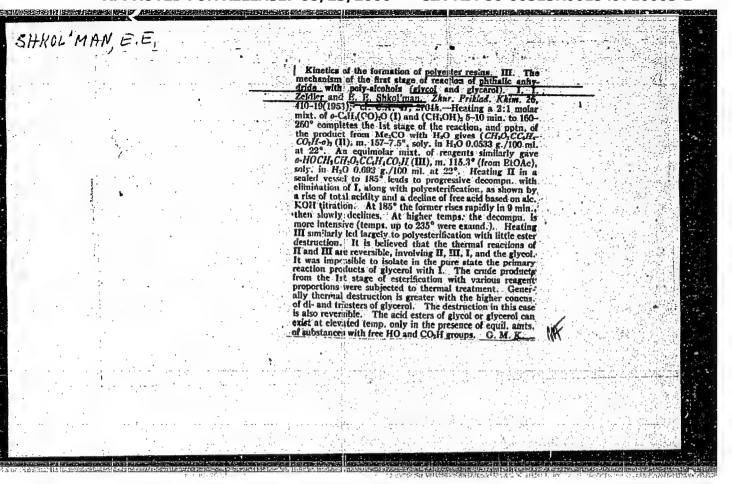
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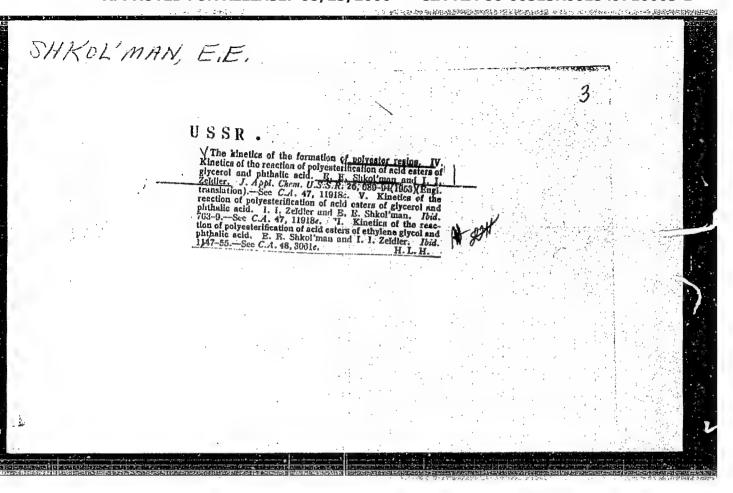
"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549710003-1









SHKOL'HAN, Ye.Ye.; ZEYDLER, I.I.

Kinetics of the reaction of polyetherification of acidic esters of glycerin and phthalic acid. Zhur.prikl.khim. 26 no.7:736-742 Jl '53. (MLRA 6:7)

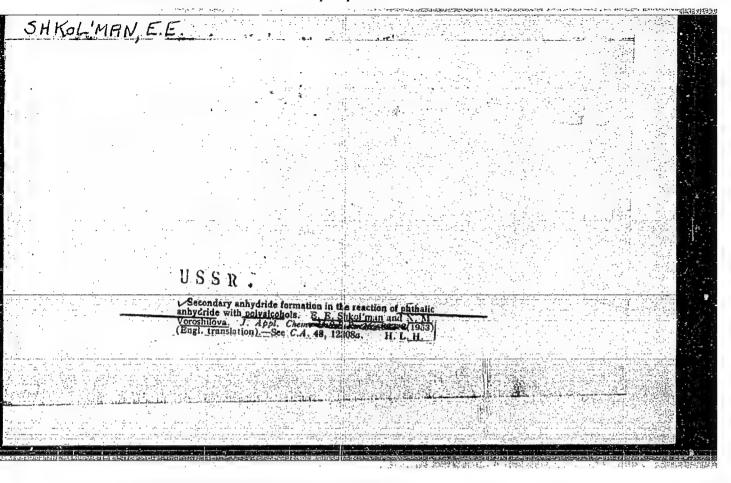
1. TSentral'naya laboratoriya Chelyabinskege lakekrasechnege zaveda.
(Etherification) (Glycerin) (Phthalic acid)
(CA 47 no.22:11918 '53)

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ZEIDLER, I.I.; SEKOL'MAN, E.E.

Kinetics of the reaction of polyesterification of di-ethers of glycerin and phthalic acid. Zhur.priki.khim. 25 no.8:840-847 48 153. (Mida 6:8)

1. TSentral nava laboratoriya Caslyabinskogo lakokrasochnogo zavoda.
(Esterification) (Ethers)



SHKOL'MAN, Ye.Ye.; VOROSHILOVA, N.M.

Secondary dehydration during the interaction of phthalic anhydride with polyatomic alcohols. Zhur.prikl.khim. 26 no.9:969-975 S '53. (MLRA 6:10)

 TSentral naya laboratoriya Chelyabinskogo lakokrasochnogo zavoda. (Dehydration (Chemistry)) (Phthalic anhydride) (Alcohols)
 (GA 47 no.22:12308 '53)

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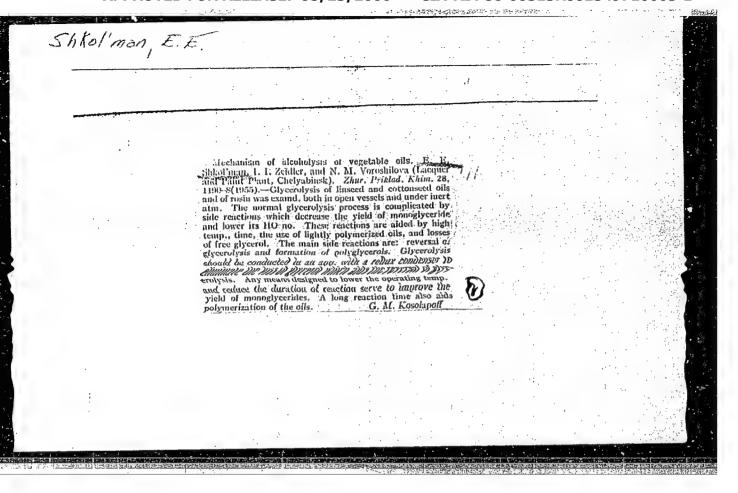
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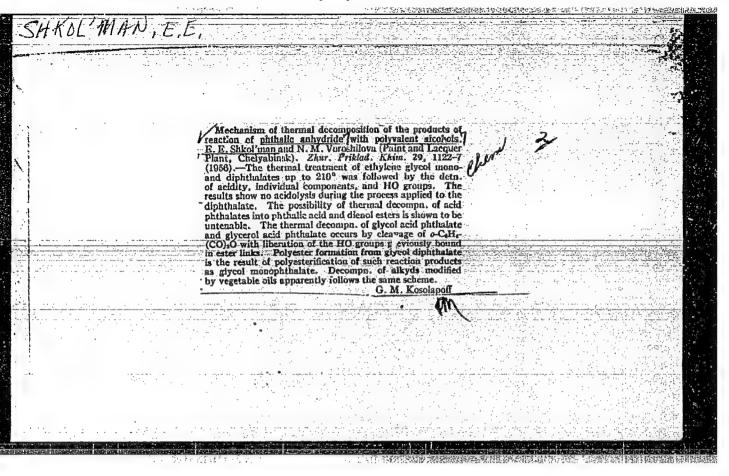
Chomical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Synthetic Rosins and Plastics

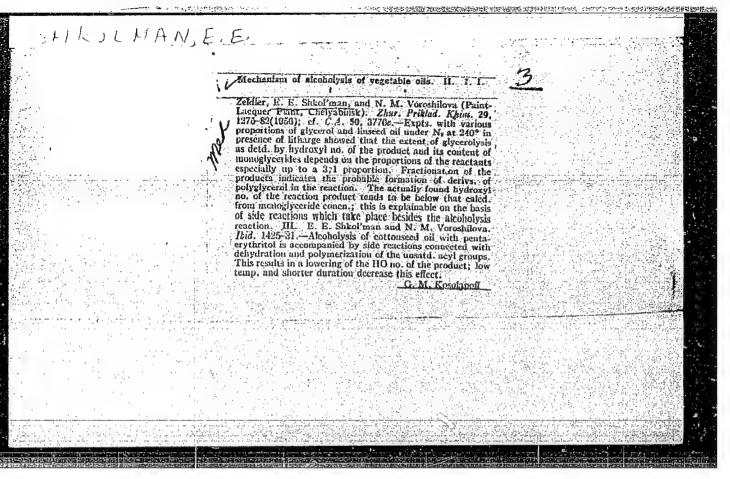
Kinetics of the formation of polycation of the polycation of

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SHKOL'MAN, Ye.Ye.; VOROSHILOVA, N.M.

Alcoholysis of vegetable oils. Zhur.prikl.khim. 29 no.9:
1425-1431 S '56. (MIRA 9:11)

1. TSentral'naya laboratoriya Chelyabinskogo lakokyasochnogo zavod. (Alcoholysis) (Oils and fats)

SHKOL'MAN, Ye. Ye., Cand of Chem Sci -- (diss) "The kinetics of the reactine of the reciprical action of phthalic anhydride with glycerin and glycol." Moscow, 1957, 11 pp (Institute of Organic Chemistry im N. D. Zelinskiy), 200 copies (KL, 35-57, 106)

"APPROVED FOR RELEASE: 08/23/2000 CIA-

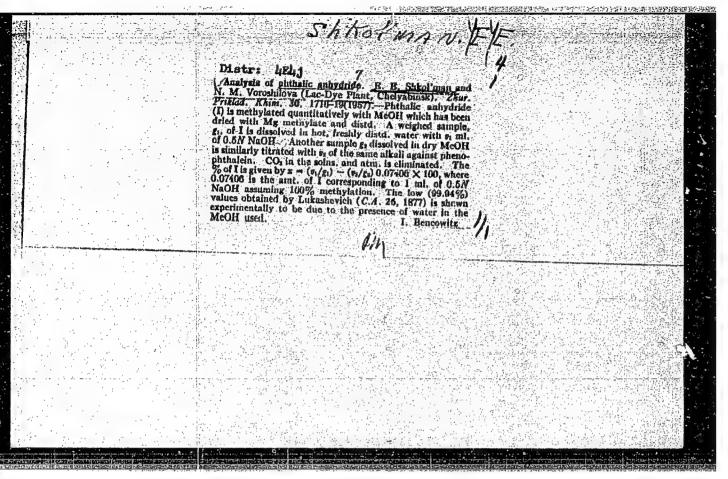
CIA-RDP86-00513R001549710003-1

SHOLMAN, Ye.Ye., VC.VE.
SHKOLMAN, Ye.Ye.; VOROSHILOVA, N.M.

Mechanism of thermal decomposition of the interaction products between phthalic anhydride and polyatomic alcohols. Zhur.prikl. khim. 29 no.7:1122-1127 J1 '57. (MIRA 10:10)

1. TSentral' naya laboratoriya Chelyabinskogo lakokrasochnogo zavoda.

(Thermochemistry) (Phthalic anhydride) (Alcohol)



SHKOL'MAN, Ye.ye.; VOROSHILOVA, N.M.

Vat residues in the production of phthalic anhydride. Zhur. prikl.khim. 34 no.8:1861-1867 Ag '61. (MIRA 14:8)

1. TSentral'naya zavodskaya laboratoriya Chelyabinskogo lakokrasochnogo zavoda. (Phthalic anhydride)

S/282/63/000/001/004/011 A059/A126

AUTHORS: Korablev, N.M., Voroshilova, N.M., Shkol'man, Ye.Ye.

TITLE: Dispersion of pigments for varnishes and paints in the binder with

the aid of ultrasound

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk, 47. Khimicheskoye i kholo-

dil'noye mashinostroyeniye, no. 1, 1963, 7, abstract 1.47.44 (Lako-

krasochn. materialy i ikh primeneniye, no. 4, 1962, 56 - 59)

TEXT: The dispersion process of zinc-white paints in the binder is examined with different paint concentrations using magnetostrictive and piezoelectric converters as the generator of ultrasound. It has been established that, instead of rubbing zinc-white paints in ball and color mills, their pastes can be treated with ultrasound having a frequency of 18 kc and an intensity of 3 w//cm². Enamels prepared with ultrasound and filtered show no qualitative difference as compared to enamels prepared under the usual operating conditions. There are 3 figures and 4 references.

[Abstracter's n. ce: Complete translation]

Card 1/1

SHKOL'NIK. A., inzhener.

Following example of pregressive enterprises, Prom.koop.no.2:31
F *56.

(MIRA 9:7)

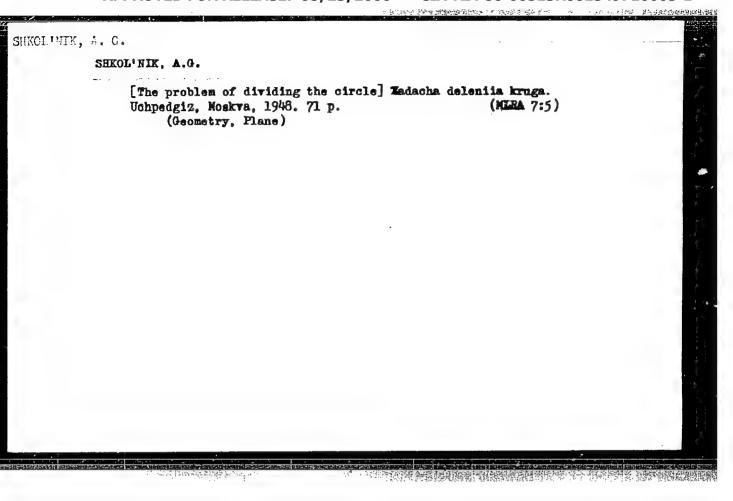
1.Aktyubinskiy oblpromsovet.
(Aktyubinsk--Industries)

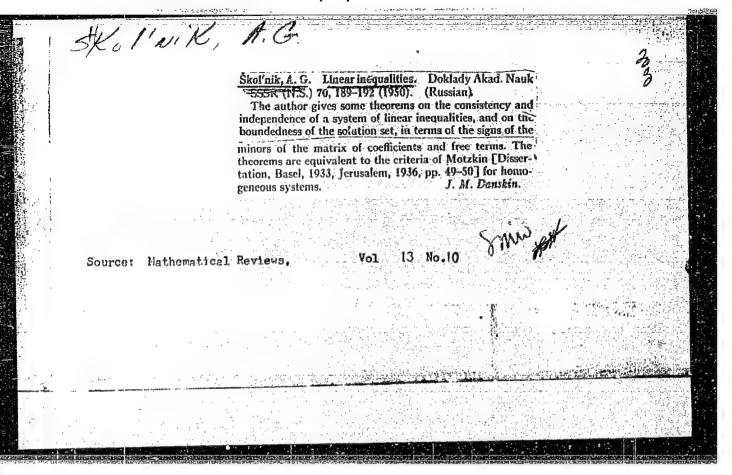
SHKOL'NIK, A.A. (Moskva)

Strangulated hernia. Fel'd.i akush. no.3:18-24 Mr '55. (MLRA 8:5)
(HERNIA,
strangulated, management)

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CIA-RDP86-00513R001549710003-1





SHKOL'NIK, Adol'f Grigor'yevich; LEPESHKINA, N.I., red.; KOVALENKO,
V.L., tekhm. red.

[Problem of the division of the circle; textbook for teachers]
Zadacha deleniia kruga; posobie dlia uchitelei. Izd.3. Moskva, Gos. uchebno-pedagog.izd-vo M-va prosv. RSFSR, 1961. 72 p.
(MIRA 15:4)

(Circle)

(Equations, Binomial)

SHKOL'NIK, Adol'f Grigor'yevich; DOLGOPOLOV, V.G., red.; KARPOVA,

[Differential equations] Differentsial'nye uravneniia; uchebnoe posobie dlia fiziko-matematicheskikh fakul'tetov pedagogicheskikh institutov. Moskva, Uchpedgiz, 1963. 197 p. (MIRA 16:9)

(Differential equations)

\$/058/62/000/006/032/136 A061/A101

AUTHORS:

Purtseladze, I. M., Khitarishvili, L. S., Chikovani, A

Shkol'nik, A. L.

TITLE.

A study of the optical properties of molybdenum trioxide MoO2

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 32, abstract 6V214 ("Tr. Tbilissk. un-ta", 1960, v. 86, 439 - 448, English summary)

A quantitative investigation has been conducted on absorption and reflection spectra of single crystals and polycrystalline MoO2 films at temperatures between 90 and 465°K. The spectral coefficient of MoO3 self-absorption displays a steep rise at ~ 350 m μ . This absorption edge is displaced, in films, toward the longwave side as compared with single crystals, and shifts toward the sid- of long waves during heating. In crystals subjected to X- and X-irradiation and neutron bombardment in the reactor, the spectrum displays an additional abscription band at 350 mu, which is unstable and decays under the action of light, μ also a stable band at ~ 900 m μ (with neutron bombardment). The 350-m μ band refers to a center consisting of an oxygen vacancy by which an electron has been

Card 1/2

S/058/62/000/006/032/136
A study of the...

trapped. while the 900-mu band is due to large aggregates of lattice imperfections.

[Atstractor's note: Complete translation]

Card 2/2

s/058/62/000/006/093/136

AUTHORS:

Chikovani, R. I., Shkol'nik, A. L., Purtseladze, I. M.,

Khitarishvili, L. S.

TITLE:

On the photoconductivity of single crystals of molybdenum

trioxide MoO3

PERIODICAL: Referativnyy zhurnal, Fizika, no. 6, 1962, 38, abstract 6E306

("Tr. Tbilissk. un-ta", 1960, 86, 449 - 458; English summary)

The photoconductivity of MoO2 single crystals, obtained by a single, or multiple distillation of MoOz powder, and also of films of this compound, obtained by evaporation in vacuum on a quartz backing, was investigated. The experiments were carried out with non-irradiated crystals, and also with crystals irradiated by X-rays, gamma-rays, and neutrons. The region of photosensitivity of the crystals lies below 360 m,u and coincides with the region of strong absorption. The photosensitivity has a maximum at room temperature and is at the maximum in the average 20 - 30%. At temperatures above 70°C the photosensitivity disappears Card 1/2

On the photosensitivity of ...

S/058/62/000/006/093/136 A057/A101

irreversibly. With time, a recovery of the photosensitivity takes place, which can be accelerated by annealing. Irradiation of the crystals with X-rays does not change their photosensitivity. Irradiation with gamma-rays effects a small increase of photosensitivity, and irradiation by neutrons - a loss. The photosensitivity is absent in thin films. The obtained results are explained by the presence of oxygen vacancies in the crystals, which are able to capture one or two electrons.

P. konorov

[ibstracter's note: Complete translation]

Card 2/2

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L 18387-63 EWT(1)/EWP(q)/EWT(n ACCESSION NR: AP3003867	n)/BDS AFFTC/ASD/IJF(C)/SSD JD S/0181/63/005/007/1769/1775	# 8 + 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
AUTHORS: Mirtskhulava, I. A.; Chikovan	ni, R. I.; Shkol'nik, A. L.	59
TITLE: Determining the parameters of photoconductivity in single crystals of SOURCE: Fizika tverdogo tela, v. 5, no	local levels by induced infrared impurity f CdS 7 - 1 o. 7, 1963, 1769-1775	
TOPIC TAGS: impurity conductivity, phoconductivity, hole trapping, recombinate	otoconductivity, infrared, Cd, S, induced tion, level, absorption band	
duced infrared impurity photoconductive inary excitation of the crystal by light absorption band itself. They studied various ratios of number of electrons wholes) at recombination levels. They proposed by I. A. Mirtskhulava (FIT, 5)	single crystals of unalloyed CdS the inity from local levels arising from prelimint, from deeper local levels, or from the the kinetics of this photoconductivity for at trapping levels to number of sites (or obtained experimental results by the method, 1514, 1963) which permits one to deterir results were (1.5-3)·10-16 cm ² for center, (2-5)·10 ¹⁰ cm ⁻³ for concentration	
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of electrons and $(3-8)\cdot 10^{10}$ cm⁻³ for concentration of holes at the local levels, and $(2-4)\cdot 10^{-12}$ m³/sec and $(0.8-2)\cdot 10^{-11}$ cm³/sec for capture cross sections of electrons from the conduction band at the deep levels and at the holes respectively. The authors conclude that their technique for determining parameters will be very effective in special alloys of crystals, permitting the determination of the basic characteristics of the parameters of previously introduced impurities, and then the investigation of the crystals by induced infrared impurity photoconductivity. Orig. art. has: 7 figures and 8 formulas.

ASSOCIATION: Tbilisskiy gosudarstvenny*y universitet (Tbilisi State University)

SUBMITTED: 18Dec62

DATE ACQ: · 15Aug63

ENCL: 00

SUB CODE: PH

NO REF SOV: 012

OTHER: 005

Card 2/2

DZHAN-IIINE, R.B., PUP-RELADZE, I.M.; KHITAPISHVILI, L.S.; CHIKOVANI, R.I.;
JEKOLINIK, A.I.

Some optical and photoelectric properties of MoC3. Fiz. tver.
tela 7 no.8:2573-2575 Ag '05.

1. Thilisskiy gosudarstvennyy universitet.

EWI(m)/EWP(t)/EWP(t) LIP(c)/AFWL/BSD/SSD/AS(mp)-2/ESD(t) L 11984-65 s/0181/64/006/010/2945/2952 ACCESSION NR: AP4046602 AUTHORS: Mirtskhulava, I. A.; Chikovani, R. I.; Shkol'nik, A. L.; Dzhakhutashvili, T. V. Determination of the local level parameters in doped ZnS TITLE: single crystals Fizika tverdogo tela, v. 6, no. 10, 1964, 2945-2952 SOURCE: TOPIC TAGS: zinc sulfide, single crystal, local level, photoconductivity, thermally stimulated conductivity, impurity conductivity ABSTRACT: The reason for the research was that the photoelectric properties of single crystals of ZnS have not been extensively investigated. There are practically no literature data on its impurity photoconductivity (particularly in the infrared region), and the induced photoconductivity was not studied at all. The authors therefore investigated the induced impurity photoconductivity in

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ZnS single crystals doped with Ag, Cu and Cl. The thermally stimulated conductivity in these substances was also investigated. The apparatus used was described earlier (FTT v. 5, 1769, 1963). The samples were placed in a metallic cryostat in which the measurements could be made in the temperature range from -180 to +160C and in vacuum of $\sim 3 \times 10^{-6}$ mm Hg. The samples were heated with an external oven, at a rate 0.2 deg/sec. The single crystals measured 5 x 2 x x 0.7 mm, and were either not annealed or annealed in vacuum at 600C for 4 hours. The peaks on the thermally-stimulated-conductivity curves were identified by means of a method of thermo-optical sounding, which is first proposed in this article. This method has established that the same centers appear both in the impurity photoconductivity and in the thermally stimulated photoconductivity. The results have shown that the population of the levels with the aid of charge exchange by excitation from deep local levels (attributed to the copper impurity in ZnS) is more effective than excitation from the intrinsic absorption band. The kinetics of the induced photoconductivity was investigated with the crystals excited with light

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ACCESSION NR: AP4046602

of suitable spectral composition. The energy of thermal ionization of the centers was investigated from the thermally stimulated conductivity. The thermo-optical sounding method has made it possible to identify some of the levels responsible for the peaks in the curves of thermally stimulated conductivity and the spectral distribution of the photoconductivity. The main parameters of the local centers responsible for the induced photoconductivity at different temperatures are calculated, and the ratio of the optical and thermal energies of activation of the impurity centers is estimated. conclusion, the authors are deeply grateful to A. A. Sisoyev for supplying the samples." Orig. art. has: 7 figures, 1 formula, and 3 tables.

ASSOCIATION: Thilisskiy gosudarstvennyty universitet (Thilisi State

University)

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Card 3/3

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ACCESSION NR: AP5006892	
AUTHOR: Dobrego, V. P.; Ryvkin, S. M.; Shkol'nik, A. L.	
recombination in gallium arsenide	
TITLE: Interimpurity recommendation	
SOURCE: Fizika tverdogo tela, v. 7, no. 3, 1965, 841-845	
TOPIC TAGS: photoconductivity, recombination, gallium arsenide, low temperature	
TOPIC TAGS: photoconductivity, recombination; research, lux ampere characteristic, interimpurity recombination	
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ABSTRACT: This is a continuation of earlier work (FTT v. 6, 503, 1964) on the	
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ACCESSION NR: AP5006892

arsenide of p-type in the temperature range 2-4.2K and that impurity recombination is a major factor at higher temperatures under ordinary photoconductivity conditions. The sublinear lux-ampere characteristics and the non-exponential decrease in photoconductivity at low excitation level are attributed to the major role played by the interimpurity recombination over the entire range of low temperatures. "The authors thank T. V. Mashovetz and N. A. Vitovskiy for supplying the samples and A. A. Grinberg for discussion of the results." Orig. art. has: 6 figures.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR, Leningrad (Physicotechnical Institute); Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED:

29Sep64

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L 8589-66 EWT(m)/EWG(m)/T/EWP(b)/EWA(m)-2/EWP(t)/EWT(1) IJP(c. AT/WW/JD/GG/R	Di-
ACCESSION NR: AP5019900 UR/0181/65/007/008/2573/2575	
AUTHOR: Dzhanelidze, R. B.; Purtseladze, I. M.; Khitarishvili, L. S.; Chikovani,	
R. I.; Shkol'nik, A. L. 99 : 5	
TITIE: Certain optical and photoelectric properties of molybdenum trioxide	
SOURCE: Fizika tverdogo tela, v. 7, no. 8, 1965, 2573-2575	
TOPIC TAGS: molybdenum compound, light absorption, absorption edge, electron cap-	-
ABSTRACT: In view of the scarcity and contradictory nature of data on MoOs, due	
ABSTRACT: In view of the scarcity and contradictory nature of data on MoUg, due for the most part to the difficulty of obtaining sufficiently large samples, the	
authors have produced large samples ((1550) x (16) x (0.050.5) mm) of MOO3	
single crystals, whose outical-absorption spectra were investigated with allowance	· ·
for reflection. The crystals exhibited strong absorption (350 nm andshorter wavelengths). The absorption edge shifted somewhat with increasing temperature toward	
the long-wave region. The results are shown in Fig. 1 of the Enclosure and are in-	
terpreted from the point of view of the level scheme of the electronic transitions	: **
shown in Fig. 2 of the Enclosure. In particular, the peaks near 350 and 900 nm,	
which can be appreciably strengthened or reduced by different treatments, are attributed to the presence of oxygen vacancies, capable of capturing one or two	
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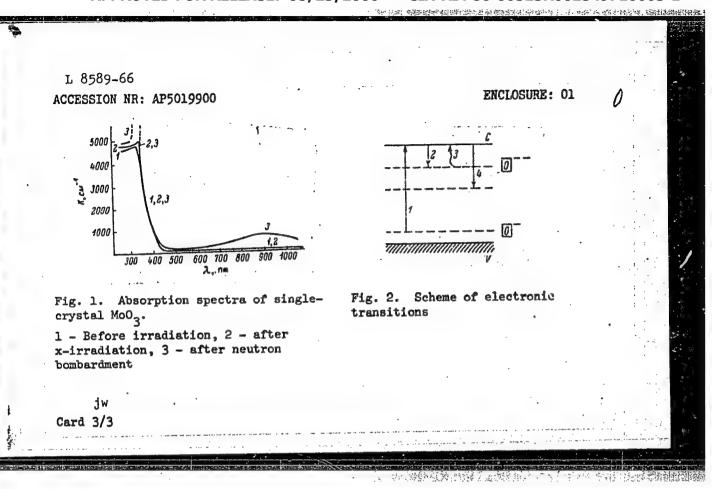
ACCESSION NR: AP5019900

electrons. "The authors thank I. A. Mirtskhylava for interest in the work." Orig. art. bas: 2 figures. 44.55. 44.55.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED: 13Apr65 ENCL: 01 SUB CODE: S8

NR REF SOV: 005 OTHER: 001



"APPROVED FOR RELEASE: 08/23/2000

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EWT(1)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG L 10303-66 UR/0251/65/039/002/0295/029 ACCESSION NR: AP5024574 AUTHOR: A.L. Shkol nik Photosensitivity of Mo O2 single crystal SOURCE: AN GruzSSR. Soobshcheniya, v. 39, no. 2, 1965, 295 - 297 TOPIC TAGS: Mo O3, crystal, photosensitivity, irradiation, gamma radiation detection, neutron flux detection 21,44,55 ABSTRACT: The effects of radiations upon the photosensitivity of molybdenum trioxide single crystals are investigated, and possible causes proposed. Photosensitivity of single crystals of Mo O3 was measured over a temperature range of 220-400 K., before and after irradiation with: (a) - X-rays, using RUP-200-20-4 equipment; (b) - gamma rays, using a Radium/Beryllium source, and (c) - neutrons, in an atomic reactor. The methods of measurement were those outlined earlier by P.I. Chikovani et al. (Trudy TGU, v. 89, 1960, 449). Radiation (a) had little effect on the photosensitivity; (b) increased the photosensitivity substantially; (c) - resulted in a complete loss of photosensitivity and in an increase of the electrical resistance. These effects are then discussed in relation to the effects of radiations Card 1/2

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MIRTSKHULAVA, I.A.; CHIKOVANI, R.I.; SHKOL'NIK, A.L.; DAHAKHUTASHVILI, T.V.

Induced photoconductivity in single crystals of zinc sulfide with impurities. Soob. AN Gruz. SSR 40 no.1:55-62 0 '65. (MIRA 18:12)

1. Tbilisskiy gosudarstvennyy universitet. Submitted January 14, 1965.

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REZVOV, K,M, kand.tekhn.nauk; PAVLYUCHUK, A.I.; VOLOGZHAHINOV, H.I.; SHKOL'HIK, A.M.; PANIN, G.I.; YAKOVLEV, I.S.

Plastic carburetor floats. Avt.prom. no.2:26-27 F '60. (MIRA 13:5)

1. Filial Gosudarstvennogo soyuznogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo avtomobil'nogo i avtomotornogo instituta po toplivnoy apparature.

(Automobiles--Engines--Carburetors)

S/113/60/000/005/004/004 D264/D301

AUTHORS:

Rezvov, K.M., Pavlyuchuk, A.I., Candidates of Techni-

cal Sciences, Panin, G.I., Vologzhaninov, N.I., Shkol'nik, A.M., Yakovlev, I.S. and Volkov, L.I.

TITLE:

Thermal high frequency welding of plastic carburettor

floats

Avtomobil'naya promyshlennost', no. 5, 1960, 41-43 PERIODICAL:

TsNITA has developed a device for the thermal high-frequency welding of carburettor floats made of polycaprolactam. Plain thermal welding was tried but failed to give a reliable hermetic seal. Gluing gave a good seal but required a prolonged drying time. The device (Fig. 3) consists of an $\Pi \Gamma A - 1$ (LGD-1) high-frequency generator and a semi-automatic wolding machine. ator and a semi-automatic welding machine. The use of 2 generator tubes gives a power oflkwt and a working frequency of 25 Mc. Power from the electric motor 4 is transmitted via a gear train and screw from the electric motor 4 is transmitted via a gear train and screw gear to the coaxially mounted cams 5 and 6. The spindle 1 derives its reciprocation from cam 6, while cam 5 serves to trim off the

Card 1/3

Thermal high frequency welding ...

S/113/60/000/005/004/004 D264/D301

outer beading and eject the welded float from the bottom punch 3. Welding is regulated by adjusting the gap between the top and bottom punches 2 and 3 (by adjusting the carriage 7) and by varying the feed-back inductance. The punch faces must be positioned in parallel, with a divergence of not more than 0.02-0.03 mm. The punches are also set to ensure the formation of a slight beading of the seam inside the float, since this makes for greater hermeticity. Welding time varies from 5 to 12 seconds, depending on the float size. The method is recommended for introduction in Soviet automobile plants. There are 3 diagrams.

ASSOCIATION:

Tsentral'nyy nauchno-issledovatel'skiy i konstruktorskiy institut toplivnoy apparatury avtotraktornykh i statsionarnykh dvigateley (Central Scientific Research and Design Institute for the Fuel Apparatus of Automotive and Stationary Engines)

Card 2/3

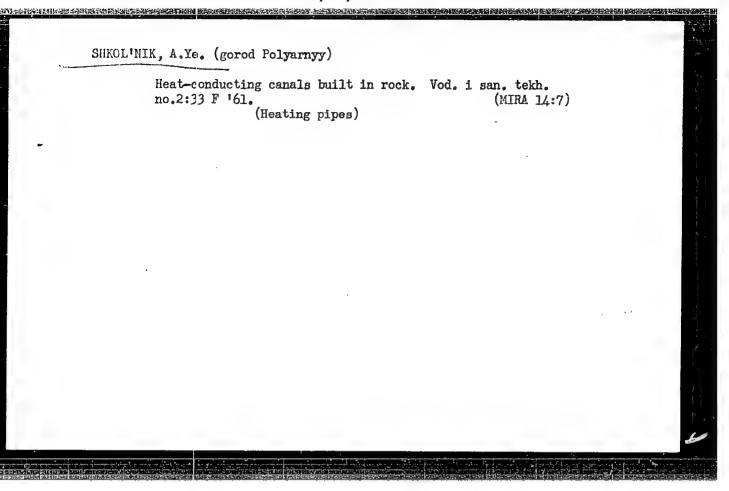
KOMSKAYA, M.S. [Koms'ka, M.S.], kand. tekhn. nauk; OSOVSKAYA, I.V. [Osovs'ka, I.V.]; KHIMICHENKO, A.G. [Khimichenko, A.H.]; SHKOL'NIK, A.Ya. [Shkol'nyk, H.IA.]

Possibility of using substitutes for Prosyanaya kaolin in the multicomponent composition for porcelain. Leh. prom. no.1:65-67 Ja-Mr '65. (MIRA 18:4)

KOMSKAYA, M.S. [Koms'ka, M.S.], kand.tekhn.nauk; SHKOL'NIK, A.Ya.
[Shkol'nyk, H.IA.]; SHPAK, N.A. [Shpak, N.P.]; YATSUNOVA, S.Ye.
[IAtsunova, S.IU.]

Method for the regulation of the addition of electrolytes to porcelain slips. Leh.prom. no.1:63-66 Ja-Mr. '64.

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SHKCITHIE, B. I.

SHKOL'NIK, B. I.--"Materials on the Surgical Anatomy of the Intrahepatic Bile lassages." (Dissertation for Degrees in Science and Engineering Defended by USSR Educational Institutions) Kiev Order of Labor Red Banner Med Institutions Academican A. A. ago olets, Chair of Operative Surgery and Topographic Anatomy, Kiev, 1955. Medical Sciences

SO: Knizhnaya Letoris' No. 37, 10 September 1955.

SHKOL'NIK, B.I., kand.med.nauk; KORNILOVA, S.M.

Combined use of paracervical anesthesia and local anesthesia in gynecological surgery. Ped., akush. i gin. 19 no.3:56-60 '57.

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1. Ginekologicheskoye otdeleniye (zav. - S.N. Kornilova) Zheleznodorozhnogo rodil'nogo doma Yugo-zapadnoy zhelezhnoy dorogi (glavnyy vrach - G.S. Stepankova).

(GENERATIVE ORGANS, FEMALE-SURGERY) (LOCAL ANESTHESIA)

KUL'GHITSKIY, K.I., kandidat meditsinskikh nauk (Kiyev, ul. Gor'kogo d. 47/11); CHERNYSHENKO, L.V., kandidat meditsinskikh nauk; SiKOL'NIK, B.I., kandidat meditsinskikh nauk

Topography of the cystic artery [with summary in English, pp.157-158]

Vest.khir. 78 no.6:34-37 Js '57. (MLRA 10:8)

1. Iz kafedry operativncy khirurgii i topograficheskoy anatomii (zav. - prof. S.T.Novitskiy) Kiyevekogo meditsinskogo instituts (Gall Bladder, blood supply topography)

SHKOL'NIK, B.I., kand.med.nauk (Kiyev, Timofeyevskaya ul., d. 11/13, kv.25)

Some features of surgical anatomy of the common bile duct [with summary in English]. Vest.khir. 82 no.2:46-50 F 159.

(MIRA 12:2)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - prof. S.T. Novitskiy) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinkogo instituta imeni A.A. Bogomol'tsa.

(BILE DUCTS, COMMON, anat. & histol.

surg. anat. (Rus))

TIMOSHRNKO, Leonid Vesil'yevich, kand.med.nauk; SHKCL'NIK, Boris
Iosifovich, kand.med.nauk; KALINICHERKO, T.Ya., red.; GITSHTEYN,
A.D. [Hitshtein, A.D.], tekhred.

[Women's diseases and how to prevent them] Zhinochi khvoroby
i lak im zepobihty. Kyiv, Derzh.med.vyd-vo URSR, 1960. 37 p.
(WOMEN--DISEASES)

NIKOLAYEV, A.P., otv. red.; SHKOL!NIK, B.I., kand. med. nauk, red.;

BAKSHEYEV, N.S., prof., red.; VINOGRADOVA, S.F., prof., red.;

GRISHCHENKO, I.I., prof., red.; KORNILOVA, A.I., kand. med.

nauk, red.; KONSTANTINOV, V.A., prof., red.; MEDYANIK, R.V.,

red.; PAP, A.G., kand. med. nauk, red.; PETERBURGSKIY, F.Ye.,

prof., red.; SAVITSKIY, V.N., prof., red.; STEPANKOVSKAYA,

G.S., kand. med. nauk, red.; TIMOSHENKO, L.V., dots., red.;

YANKELEVICH, Ye.Ya., prof., red.

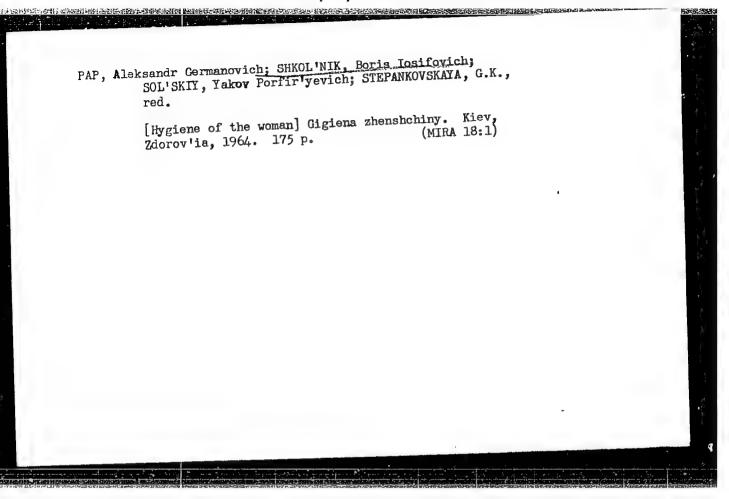
[Transactions of the Third Congress of Obstetricians and Cynecologists of the Ukrainian S.S.R.] Trudy III s"ezda akusherov-ginekologov Ukrainskoi SSR. Kiev, Gosmedizdat, 1962. 370 p. (MIRA 17:5)

1. S"yezd akusherov-ginekologov Ukrainskoy SSR. 3d, Kharkov, 1961. 2. Deystvitel'nyy chlen AMN SSSR (for Nikolayev).

PAP, A.G., kandemedenauk; SHKOL*NIK, B.I., kandemedenauk

Prophylactic checkup of women. Zdorov*e 9 no.3:12-13 Mr *163.

(WOMEN-HEALTH AND HYGIENE)



L 36287-65

ACCESSION NR: AP5008162

S/0286/65/000/005/0039/0039

AUTHOR: Shkol'nik, B. Ya.

TITLE: An electronic commutator. Class 21, No. 168757

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 5, 1965, 39

TOPIC TAGS: commutator, diode reactance

ABSTRACT: This Author Certificate presents an electric commutator containing switching diodes in the bridge circuit and also passing transformers connected to this circuit (see Fig. 1 on the Enclosure). To reduce the level of switching interference, the source of the signals being switched is connected to the primary winding of the input transformer. One side of the secondary winding of this transformer is connected through a potentiometer and the other through the primary winding of the output transformer to one diagonal of the bridge circuit. The second diagonal of this bridge circuit is connected through a diode to the generator of the commutative pulses. Orig. art. has: 1 figure.

ASSOCIATION: none

SUBMITTED: 19Sep63

ENCL: 01

.

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

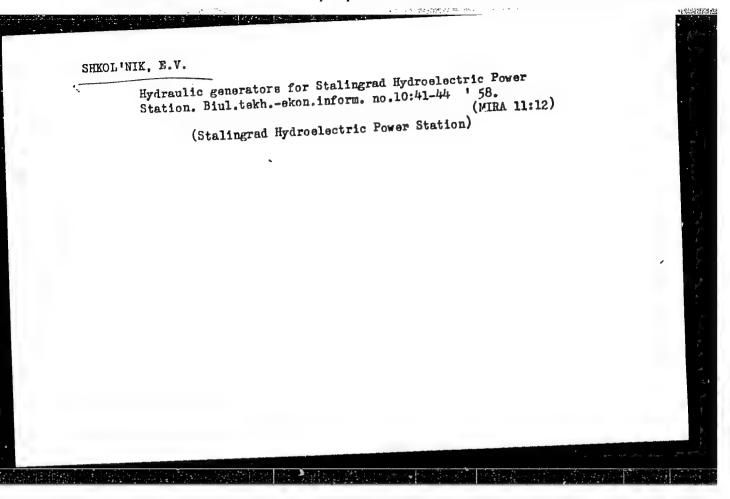
KERESELIDZE, Sh.Ya., dots; KHUKHUNI, T.V., inzh.; SHKOL'NIK, E.B., inzh.

Investigating the performance of the automatic stabilizer of USG-12A tractors designed for steep slopes. Trakt. 1 sel'-khozmash. no.3:4-8 Mr '59.

(Tractors)

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549710003-1



SHKOL'NIK, E.V., inzh.; PINSKIY, G.B., inzh.

Segmentation of the stator cores of synchronous machinery. Vest.
elektroprom. 32 no.8:67-69 Ag '61. (MIRA 14:3)

(Electric machinery, Synchronous) (Cores (Electricity))

"APPROVED FOR RELEASE: 08/23/2000

CIA-RDP86-00513R001549710003-1

SHKOL'NIK, E.V.; PINSKIY, G.B.; NOVIKOV, A.F.

Experimental hydraulic generator at the Volga Hydroelectric Power Station "22d Congress of the CPSU). Biul.tekh.-ekon.inform.Gos.-nauch.-issl.inst.nauch.i tekh.inform. no.ll:69-72 '62. (MIRA 15:11) (Volga Hydroelectric Power Station (22d Congress of the CPSU))

SHKOL'NIK, E.V., inzh.; PINSKIY, G.B., inzh.; NOVIKOV, A.F., inz.

Experimental hydrogenerator of the Volga Hydroelectric Power Station (22d Congress of the CPSU). Vest. elektroprom 34 no.6:1-4 Je '63. (MIRA 16:7)

(Volga Hydroelectric Power Station (22d Congress of the CPSU)

SHKOL'NIK, G.

"Analytical Method of Determining the Location of an Airplane With Direction Finders," by Navigator G. Shkol'nik, Baku, Grazhdanskaya Aviatsiya, No 2, Feb 55, pp 21-22

An analytical method of determining the location of an airplane based on the intersection of the beams from two direction finders is presented. The method, formulas, and diagrams used in the solution of case problems are set forth.

SUM. 1287

SHKOL'NIK, G., shturman.

How to determine the drift angle. Grazhd.av. 13 no.2:16 F '56.

(Mira 9;5)

(Navigation (Aeronautics))

SHKOL'NIK, G., shturman (Baku)

Analytical method for determining the position of an airplane by radio-navigational points. Grazhd.av. 12 no.2:21-22 F '55. (MIRA 16:1)

(Radio direction finders)